

# Heavy Duty Traffic Paint Heavy Duty Anti Slip Traffic Paint

Watco Heavy Duty Traffic Paint and Heavy Duty Anti Slip Traffic Paint is a tough, two pack, solvent based, epoxy resin coating for use in heavily trafficked areas, such as car parks, driveways and vehicle access areas

These versatile, exceptionally strong coatings contain a solvent which bites into asphalt surfaces and slightly penetrates concrete surfaces, for the maximum possible adhesion without the need (generally) for a primer. In Heavy Duty Anti Slip Traffic Paint, the hard aluminium oxide grit offers a good level of slip and abrasion resistance with just one high build application.

Both versions carry CE Mark EN 1504-2 and has impressive test results for slip resistance, hardness, abrasion, adhesion and impact resistance.

## Colours



Samples are available on request. While great care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.



## Areas of use:

- Car parks
- Driveways
- Traffic routes and pedestrian walkways
- Vehicle access areas
- Colour coding and highlighting hazardous areas

## Features:

- Suitable for both asphalt and concrete
- Exceptionally strong, two pack, solvent-based epoxy resin
- Transforms, dull, drab asphalt, tarmac and concrete in heavy wear areas
- Colours and protects with just one coat
- Grit offers excellent slip resistance for pedestrians and vehicle traffic (Heavy Duty Anti Slip Traffic Paint)
- High pigment level offers excellent covering power
- Excellent chemical resistance
- Superior performance demonstrated by ISO testing to CE Mark EN1504-2

## Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project. They will talk you through the preparation and application stages when using **Heavy Duty Traffic Paint and Heavy Duty Anti Slip Traffic Paint**.

Call our expert team on: **01483 418 418** (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)



BRITISH COATINGS FEDERATION



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## 1 Surface Preparation

**New asphalt & tarmac** – should be sound and at least 3 months old. If any residual oils remain, the surface should be washed using Watco Concroff.

**Existing bare asphalt & tarmac** – remove any grease or oil deposits using Watco Concroff.

**Painted surfaces** – for previously painted surfaces, check compatibility with the existing coating; if compatible, abrade to remove any weak or loose paint. Check remaining paint is well bonded. Very smooth, glossy paint should be lightly abraded to provide a key. Watco Bio-D can be used to remove grease and oil from painted surfaces.

**Bare concrete** – remove surface laitance, dust and any light dirt or grease deposits using Watco Etch & Clean. Watco Etch & Clean also etches smooth, bare concrete surfaces to provide a key. Flush with clean water and allow surface to dry. For the removal of heavier deposits of oil and grease we recommend Watco Concroff. Again, flush with clean water and allow the surface to dry.

**New concrete** – as a guide, new concrete should be left for eight weeks to dry. The surface should then be prepared using Watco Etch & Clean and thoroughly rinsed away and left to dry prior to applying this coating.

**Metal** – remove any rust and flaking material by disc grinding or wire brushing. Apply the coating immediately after preparation to the clean metal surface. Grease or oil can be removed using Watco Bio-D. Allow the metal to dry before coating.

**Galvanised Metal** – Watco Galvaprime must be used to prepare galvanised metal.

**Non-ferrous Metals** – for advice, please contact our Technical Department.

**Priming** – is not usually required, but for open textured, or very porous high suction surfaces, such as sand and cement screed, use Watco 4 Hour Epoxy Primer to ensure a uniform finish and to prevent air entrapment bubbles.

## 2 Mixing

Remove the two inner tins from the tall outer tin. Stir the contents of each tin thoroughly and pour all of the contents into the outer tin (scrape around the inside of the tins to remove any residue). Mix the resin and the curing agent together using a spatula or similar wide bladed tool (a piece of wooden batten is ideal). For Heavy Duty Anti Slip Traffic Paint mix in the anti slip aggregate. Continue mixing until an even colour and consistency are obtained. Do not mix more than one pack at a time. If a paint stirrer fitted to an electric drill is used, also use the spatula to blend in any unmixed material from the side and bottom of the tin. Tip the mixed components into a shallow paint tray – do not leave in the outer tin. This coating is not intended to be thinned, however, in some situations up to 5% of Watco Solvent TH99 may be added to assist in application.

## 3 Application

Best results are obtained in warm (minimum of 15°C), dry conditions with good ventilation. Apply one coat with a medium pile roller (not foam) working well into the surface of the asphalt or concrete. It can be applied by brush but this may result in reduced coverage. Do not exceed the maximum coverage of 20m<sup>2</sup> per 5L pack. If a second coat is required, apply it as soon as the first coat is dry (generally 6 hours), and within 5 days of applying the first coat. If more than 5 days elapse, the first coat should be lightly abraded before the second coat is applied. Avoid washing the surface for 7 days.

## 4 Safety

Material Safety Data Sheets are available.

## 5 Ordering

Available direct from Watco UK Limited and through agents worldwide. All Watco products are sold subject to the Company's Standard Conditions of Sale. The Company and its representatives are often asked to comment on potential uses of Watco products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by Watco.

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## Specification

<b>Composition</b>	Two pack, solvent based epoxy resin.
<b>Number of Components</b>	1 x curing agent and 1 x resin. Anti Slip: 1 x anti slip aggregate.
<b>Finish</b>	Coloured, low sheen. Anti slip: Textured.
<b>Primer Required</b>	See 'Surface preparation' on P.2.
<b>Number of Coats</b>	1
<b>Dry Film Thickness</b>	200 - 250 microns.
<b>Wet Film Thickness</b>	250 - 300 microns.
<b>Usage Interior/Exterior</b>	Exterior.
<b>Application Tools</b>	Medium pile roller. Cut in using a brush.
<b>Minimum Application Temperature</b>	Air temperature 15°C Floor temperature 10°C
<b>Suitable For</b>	Asphalt, tarmac, concrete, brick, masonry and similar porous surfaces. The moisture content of concrete should be less than 75% RH.
<b>Pack Size</b>	Heavy Duty Traffic Paint 4L. Heavy Duty Anti Slip Traffic Paint 5L.
<b>Coverage</b>	15-20m <sup>2</sup> depending on the texture of the substrate. The coverage rate does not allow for filling the crevices and texture of a tarmac or asphalt surface. Using the product in this way will greatly reduce coverage and extend drying time.
<b>Pot Life</b>	Up to 30 minutes at 20°C.
<b>Mix Ratio (by weight)</b>	24 parts curing agent: 100 parts resin
<b>Cleaning Tools</b>	It is not practical to clean applicators and they should be discarded after use.
<b>Shelf Life</b>	24 months in unopened container.
<b>Cleaning</b>	Mild, neutral detergent – Watco Bio-D is ideal.
<b>Storage</b>	Between 15°C-25°C for at least 8 hours prior to use. Do not allow to freeze.
<b>Principle Limitations</b> Please contact us regarding applications not described here.	Watco Heavy Duty Traffic Paint and Heavy Duty Anti Slip Traffic Paint are intended as a decorative finish only, and will not bind or fill weak or defective asphalt surfaces. Although they are resistant to degradation by UV rays, after intense or prolonged exposure to sunlight, some weathering may occur such as loss of gloss or slight fading – the strength and mechanical properties will not be affected. Do not apply to damp surfaces. Wood – If a small wooden section needs painting, providing it is sound, clean and dry and is not allowed to flex, this coating would be suitable. However, it should not be used on large wooden areas or decking. Unsuitable for Mastic Asphalt..

## CURING TIME

	Recoat Time	Touch Dry	Light Traffic	Heavy Traffic	Full Chemical resistance
10°C	12 hours	6 hours	16 hours	36 hours	7 days
20°C	6 hours	4 hours	8 hours	24 hours	7 days
30°C	6 hours	3 hours	8 hours	24 hours	7 days

Light Traffic: Foot, trolley, pallet truck, occasional forklift Heavy Traffic: Regular forklift, heavy footfall, parked vehicles

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### Test Results

<p><b>ABRASION RESISTANCE</b> ISO 5470-1 56mg</p>	<p><b>Abrasion Resistance</b> <b>ISO 5470-1</b></p> <p>Taber test method expresses results in mg on a scale between 0mg (highest resistance) and 3000mg (lowest). A reading below 3000mg is a CE mark pass.</p>	<p>3000mg → 0mg Lowest → Highest</p>	<p><b>FLEX</b> ISO 1519 20mm</p>	<p><b>Flexibility</b> <b>ISO 1519</b></p> <p>Flexibility is measured using a Mandral Flex Tester, 2mm is the most flexible, 36mm the least..</p>	<p>36mm → 2mm Lowest → Highest</p>
<p><b>IMPACT RESISTANCE</b> ISO 6272 CLASS3</p>	<p><b>Impact Resistance</b> <b>ISO 6272</b></p> <p>Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass.</p>	<p>Class 1 &gt;4Nm Class 2 &gt;10Nm Class 3 &gt;20Nm</p>	<p><b>GLOSS VALUE</b> 20</p>	<p><b>Gloss Value</b></p> <p>Rating is a 'Gloss Unit' measured on an Optical Glossmeter.</p>	<p>Matt 0-10%, Low Sheen 10-25%, Eggshell 26-40%, Semi-Gloss 41-69%, Gloss 70-85%, High Gloss +85%</p>
<p><b>SCRATCH RESISTANCE</b> ISO 4586-2 12N</p>	<p><b>Scratch Resistance</b> <b>ISO 4586-2</b></p> <p>Scratch resistance is measured using a Sclerometer and the resistance is measured in Newtons. 1N is the lowest resistance, 20N the highest.</p>	<p>1N → 20N Lowest → Highest</p>	<p><b>CHEMICAL RESISTANCE</b> VERY GOOD</p>	<p><b>Chemical Resistance</b></p> <p>Results shown are for tests with commonly used chemicals. Advice can be given for chemicals not listed here.</p>	<p>Petrol, oils, hydraulic fluids, cleaning products, dilute acids and alkalis.</p>
<p><b>ADHESION</b> EN 154 2 4.0MPa/Nmm<sup>2</sup></p>	<p><b>Adhesion Test</b> <b>EN 1542</b></p> <p>Adhesion is expressed in MegaPascals(MPa) or Newton millimetres squared(Nmm<sup>2</sup>). Greater than 2 MPa is a CE mark pass.</p>	<p>&gt;2MPa (Nmm<sup>2</sup>) = test pass</p>	<p><b>WATER PERMEABILITY</b> EN 1062-3 W<sub>3</sub></p>	<p><b>Water Permeability</b> <b>EN 1062-3</b></p> <p>To achieve a CE mark, the measurement must be less than 0.1 kg/m<sup>2</sup>(24 h)0.5</p>	<p>CE Marking Critical Value: &lt; 0.1kg/m<sup>2</sup>(24 h)0.5 W<sub>1</sub> → W<sub>2</sub> → W<sub>3</sub> Lowest → Highest</p>
<p><b>HARDNESS</b> 9H</p>	<p><b>Wolff-Wilborn Hardness Test</b></p> <p>Also known as the 'pencil test', a 9H reading is the measure of a hardest coating, HB is the softest.</p>	<p>HB → 9H Least Hard → Hardest</p>	<p><b>SLIP RESISTANCE</b> BS7976-2 31 PTV</p>	<p><b>Slip Resistance</b> <b>BS7976-2</b></p> <p>The Pendulum Test Value (PTV) is measured in wet conditions. A number above 36 indicates a 'low slip potential'. *Heavy Duty Anti Slip Traffic Paint only</p>	<p>High: 0-24 PTV Moderate: 25-35 PTV Low: 36+ PTV</p>

### Standard Compliance

<p>EN 1504-2 CE</p>	<p><b>EN 1504-2</b></p> <p>This mark indicates that a coating has passed all the tests required to carry a CE mark.</p>	<p><b>BREEAM COMPLIANT</b></p>	<p><b>BREEAM COMPLIANT</b> (for refurbishment)</p>	<p><b>VOC LEVEL</b> 350-400g/Litre HIGH</p>	<p><b>VOC LEVEL</b></p>	<p><b>ISO 16000</b></p>	<p><b>ISO 16000</b></p> <p>The 'Loi Grenelle' measurement of the effect of a product's VOC level within a building. A+ is the top safety rating.</p>	<p><b>REACH COMPLIANT</b></p>	<p><b>REACH COMPLIANT</b></p>
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